

533,440

Rec'd PTO 29 APR 2005

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
13 May 2004 (13.05.2004)

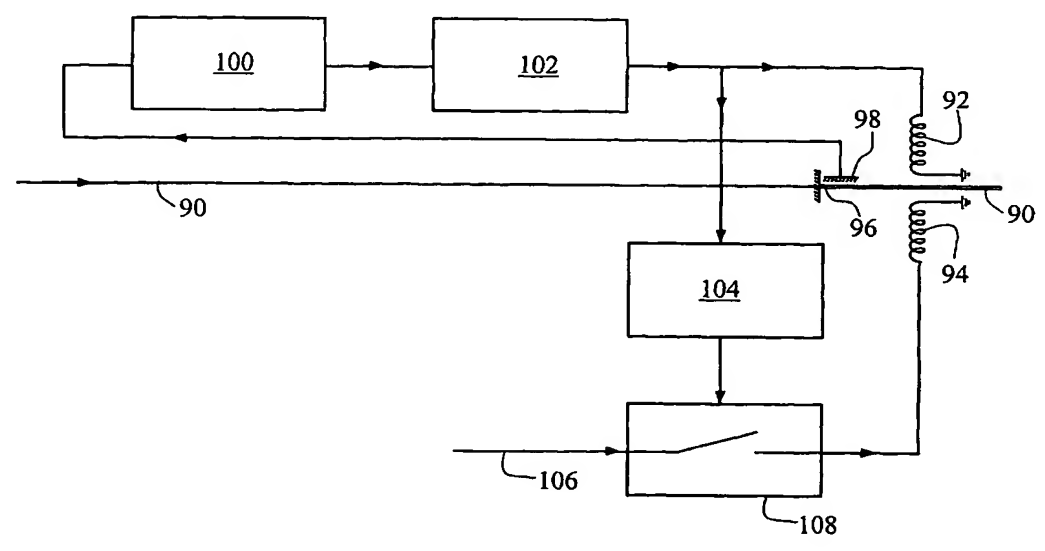
PCT

(10) International Publication Number
WO 2004/040267 A1

- (51) International Patent Classification⁷: **G01N 13/10**,
G12B 21/02, 21/20
- (21) International Application Number:
PCT/AU2003/001429
- (22) International Filing Date: 29 October 2003 (29.10.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/422,119 30 October 2002 (30.10.2002) US
- (71) Applicant (for all designated States except US): **OPTIS-CAN PTY LTD** [AU/AU]; 15-17 Normanby Road, Notting Hill, Victoria 3168 (AU).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **ROSMAN, Gavan, Edmund** [AU/AU]; 13 Davis Avenue, Camberwell, Victoria 3124 (AU). **BYRNE, Christopher, Gerard** [AU/AU]; 13 Celestial Court, Rowville, Victoria 3178 (AU). **JONES,**
- Bradely, Charles [AU/AU]; 8 Rhyl Close, Endeavour Hills, Victoria 3802 (AU).
- (74) Agent: **GRIFFITH HACK PATENT ATTORNEYS**; 509 St Kilda Road, Melbourne, Victoria 3004 (AU).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report

[Continued on next page]

(54) Title: SCANNING METHOD AND APPARATUS



(57) Abstract: A scanning apparatus and method, the apparatus comprising: a light transmission means (90) having an exit tip; first and second drive means (92,94) for resonantly driving the light transmission means (90) in orthogonal directions; wherein the first and second drive means (92,94) are operable to move the tip in an elliptical pattern while varying the eccentricity of the elliptical pattern, whereby a portion of the elliptical pattern having a centre on the minor axis of the elliptical pattern approximates - at least in appearance - a raster pattern.

WO 2004/040267 A1

WO 2004/040267 A1



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.